			710
	Application No.	Applicant(s)	
Notice of Allowability	10/602,218	TAYLOR ET AL.	
	Examiner	Art Unit	
	Vikki H Trinh	2814	
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOT the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to 06/24/03. 2. The allowed claim(s) is/are 1-23. 3. The drawings filed on 24 June 2004 are accepted by the E4. Acknowledgment is made of a claim for foreign priority unestable and the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	ears on the cover sheet we (OR REMAINS) CLOSED is or other appropriate comming GHTS. This application is and MPEP 1308. Examiner. Index 35 U.S.C. § 119(a)-(d) is been received. In the been received in Application is the comming of the committee of the	n this application. If not included nunication will be mailed in due cousubject to withdrawal from issue at or (f). on No ed in this national stage application	rse. THIS the initiative
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ENT of this application.		
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			CE OF
 CORRECTED DRAWINGS (as "replacement sheets") muse (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposit of the deposit of	on's Patent Drawing Revie S Amendment / Comment on 1 S And (c)) should be written on 1 She header according to 37 Cl Sit of BIOLOGICAL MAT	or in the Office action of the drawings in the front (not the bac FR 1.121(d). ERIAL must be submitted. Note	
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 0704 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview S Paper No. 8), 7. ☐ Examiner's	nformal Patent Application (PTO-15 Summary (PTO-413), /Mail Date s Amendment/Comment s Statement of Reasons for Allowar	·

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Allowable Subject Matter

1. Claims 1-23 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record does not disclose or fairly suggest a heterojunction thyristor device including an anode terminal, a cathode terminal, a first injector terminal coupled to a first quantum well channel disposed between said anode terminal and said cathode terminal, and a second injector terminal coupled to a second quantum well channel disposed between said anode terminal and said cathode terminal, a bias elements that operate said heterojunction thyristor device in a substantially linear voltage gain over a range of electrical, signals supplied to at least of said first and second injector terminals for output to at least one output node, and other elements in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

1. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Vikki Trinh whose telephone number is (571) 272-1719. The Examiner can normally be reached Mon-Tuesday, Thurs-Friday, 7:30 AM - 6:00 PM Eastern Time. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, Mr. Wael Fahmy, can be reached at (571) 272-1705.

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Vikki Trinh, Patent Examiner AU 2814

PRIMARY EXAMINER

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